

IBS INSTITUTE FOR
FIRE PROTECTION TECHNOLOGY AND SAFETY RESEARCH
LIMITED LIABILITY COMPANY¹

ACCREDITED TESTING, INSPECTION AND CERTIFICATION CENTRE

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**Classification of Reaction to
Fire Performance
in accordance with EN 13501-1:2009**

Report no. 14031008-A

Date: August 07, 2014

Prepared by: Ing.² H AGLAS / ko

Extension number 818

- Applicant:** Organoid Technologies GmbH³
Nesselgarten 422
6521 Fliess
- Date of application:** March 12, 2014
- Object of classification:** Organoid decorative coating, type designation “Wildspitze”
- Brief assessment:** In accordance with Austrian standard ÖNORM EN 13501-1:2009, the above mentioned building product is classified under Euroclass B-s1, d0 given its reaction to fire performance. Classification of reaction to fire performance and the resulting practical field of application are the subject of this classification report.
- Duration:** see Clause 5
- This report consists of: 5 text pages

Copying extracts of this classification report is only
admissible with IBS' written consent.

¹ as defined under Austrian law

² Austrian academic title

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Classification report no.: 14031008-A
Date: August 07, 2014
page 2 of 5
Sponsor: Organoid GmbH

1. Introduction

This classification report defines the classification assigned to building product "Organoid decorative coating" of type designation "Wildspitze" in accordance with the procedures given in EN 13501-1:2009.

2. Details of classified product:

2.1 General:

The building product "Organoid decorative coating" of type designation "Wildspitze" is used for interior construction.

2.2 Product description

The building product "Organoid decorative coating" of type designation "Wildspitze" and its materials are described superficially below, and in full detail in the reports listed in Clause 3.1 as reference for classification.

The building product "Organoid decorative coating" of type designation "Wildspitze" consists of a calcium silicate board with a laminate glued to it, onto which the decorative coating made of natural fibres including binders is applied.

3. Test reports and test results in support of classification

3.1 Test reports:

Name of laboratory	Name of sponsor	Test report nos.	Test methods
IBS GmbH	Organoid GmbH	14031008-1	EN 13823
IBS GmbH	Organoid GmbH	14031008-2	EN 11925-2

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 Date: August 07, 2014
 page 2 of 5
 Sponsor: Organoid GmbH

3.2 Test results

Test method Test report no.	Parameter	No. of tests	Test results	
			Continuous parameter mean (m)	Compliance parameters
EN ISO 11925-2 flame exposure time 30s	Edge flaming $F_s \leq 150$ mm	6	Yes	Compliant
	Flaming particles/droplets		No	Compliant
	Surface flaming $F_s \leq 150$ mm	6	Yes	Compliant
	Flaming particles/droplets		No	Compliant

EN ISO 13823	FIGRA _{0.2} [W/s]	3	87.65	Compliant
	THR _{600s} [MJ]		3.54	Compliant
	SMOGRA [m ² /s ²]		0.84	Compliant
	TSP _{600s} [m ²]		31.23	Compliant
	Flaming particles/droplets		No	Compliant
	LFS>edge of test item		No	Compliant

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Classification report no.: 14031008-A
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page 2 of 5
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4. Classification and direct field of application

This classification has been carried out in accordance with Austrian standard ÖNORM EN 13501-1:2009.

4.1 Classification

The building product "Organoid decorative coating" of type designation "Wildspitze" is classified as a result of its reaction to fire performance as follows:

B

In addition, the above-mentioned product is classified with regard to its smoke growth rate production as:

S1

Additionally, the product is classified in terms of flaming particles/droplets as:

d0

Thus, the format of classification of reaction to fire performance of building products, with the exception of floor coverings, is:

reaction to fire performance		smoke growth rate		flaming particles/droplets	
B	-	s	1	d	0

i.e.: **B-s1, d0**

4.2 Field of application

The product combination (excluding calcium silicate board) may be glued (maximum amount of glue used: 100 g/m²) on non-combustible surfaces with a fire performance classification of at least A1 or A2-s1, d0, in the framework of interior construction.

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page 2 of 5
Sponsor: Organoid GmbH

5. Duration:

Should there be any changes in the terms of reference of the norm or any inadmissible technical changes of the product tested, the classification of the product as above is no longer valid.

6. Limitations:

This document is not a type approval or product certification.

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in charge of report

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authorized signatory

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Dipl.-Ing. (FH)² M .EICHHORN-GRUBER, MBA
Head of Section at Testing Centre

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In accordance with the oath I have pledged, I hereby confirm that the present translation is entirely consistent with the original/photocopied/copied document attached hereto.
Innsbruck, am 25. Februar 2015
Innsbruck, Austria, February 25, 2015

